

Timothy J. Lomax, Ph.D., P.E.

Senior Research Engineer and Regents Fellow
Mobility Analysis Program, Texas A&M Transportation Institute
The Texas A&M University System, College Station TX 77843-3135
Phone: (979) 845-9960 Fax: (979) 845-6008
E-mail : t-lomax@tamu.edu
Website: <http://mobility.tamu.edu>

EDUCATION

Ph.D., Civil Engineering, Texas A&M University, 1987
M.Eng., Civil Engineering, Texas A&M University, 1982
B.S., Civil Engineering, Texas A&M University, 1979

APPOINTMENTS

Senior Research Engineer, Mobility Analysis, Texas A&M Transportation Institute, 2011 - Present
Lecturer, Department of Landscape Architecture and Urban Planning, 1994 - Present
Various positions, Texas A&M Transportation Institute, 1979 - Present

PROFESSIONAL REGISTRATION

Registered Professional Engineer in Texas

AFFILIATIONS

American Society of Civil Engineers, Fellow
Institute of Transportation Engineers, Fellow
Transportation Research Board

SELECTED AWARDS

TTI/Trinity Industries Charley V. Wootan Career Achievement for Research Award, 2007
Texas A&M University Board of Regents Fellow, Texas A&M University System, 2008
Theodore M. Matson Award, Institute of Transportation Engineers, 2009

EXPERIENCE

Dr. Lomax has been extensively involved in urban mobility research for more than 30 years. He developed and applied a methodology to assess areawide traffic congestion levels and congestion costs. The Urban Mobility Report includes information on 101 cities throughout the U.S. and examines trends in urban area mobility and documents the effect of transportation investments. A related pooled-fund research project has developed several performance measures and analytical techniques to describe mobility to a wide range of audiences including transportation professionals, public policy decision-makers, the media and the general public.

Dr. Lomax has also been involved in developing and evaluating a wide range of solutions to mobility problems, including high-occupancy vehicle facilities, and in improving decision-making processes and performance measurement. He has also played a role in regional and statewide congestion analyses and in developing principles and performance measures to evaluate and communicate solution strategies. These studies included assisting the public agencies and business community in Atlanta and Houston to develop a process to estimate congestion levels, identify cost-effectiveness analysis procedures and the effect of a range of mobility improvement strategies. He was the lead researcher in a project to examine

the benefits of transportation improvements and the cost of addressing congestion in major Texas metropolitan regions for the Texas Governor's Business Council and a joint working group of Texas DOT and Metropolitan Planning Organizations.

He has been invited to make presentations on congestion, mobility and performance measure issues to a variety of groups including the Transportation Research Board, the Institute of Transportation Engineers and state and local governments in the U.S. He has testified before subcommittees of the U.S. and Texas House of Representatives and Senate on mobility issues. He has appeared on radio and television network news shows and many newspapers, radio and television stations in major cities covered in the mobility report.

SELECTED PUBLICATIONS

- Mobility Investment Priorities Project, First Year Report.* Texas Transportation Institute. August 2012. <http://mobility.tamu.edu/mip>
- B. Eisele, D. Schrank and T. Lomax. *2011 Congested Corridors Report.* University Transportation Center for Mobility, Texas Transportation Institute. November 2011. <http://mobility.tamu.edu/ums>
- D. Schrank, T. Lomax and B. Eisele. *2011 Urban Mobility Report.* University Transportation Center for Mobility, Texas Transportation Institute. September 2011. <http://mobility.tamu.edu/ums>
- 2030 Committee, *It's About Time: Investing in Transportation to Keep Texas Economically Competitive.* March 2011. <http://texas2030committee.tamu.edu/>
- D. Schrank, T. Lomax and S. Turner. *The 2010 Urban Mobility Report.* University Transportation Center for Mobility. December 2010. <http://mobility.tamu.edu/ums>
- D. Schrank and T. Lomax. *The 2009 Urban Mobility Report.* University Transportation Center for Mobility. July 2009. <http://mobility.tamu.edu/ums>
- 2030 Committee, *Texas Transportation Needs Report.* February 2009. <http://texas2030committee.tamu.edu/>
- Governor's Business Council. *Shaping the Competitive Advantage of Texas Metropolitan Regions.* November 2006. <http://texasgbc.org/reports.htm>
- Guide to Effective Freeway Performance Measurement: Final Report and Guidebook.* Transportation Research Board, NCHRP Web-Only Document #97. August 2006. http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w97.pdf
- Traffic Congestion and Reliability: Trends and Advanced Strategies for Congestion Mitigation.* Prepared for the Federal Highway Administration. September 2005.
- D. Ungemah, T.J. Lomax, B. Wolfe. *2005 Update to the Travel Rate Improvement Program.* Greater Houston Partnership, Houston, TX. September 2005.
- T.J. Lomax, T. Qu, K. Hall, D. Ellis, D. Perkinson, J. Benson, L.D. White, B. Bochner. *The Texas Congestion Index: Concept and Methodology.* Texas Transportation Institute, College Station, TX. September 2005.
- Texas' Roadways-Texas' Future: A Look at the Next 25 Years of Roadway Supply, Demand, Cost and Benefits.* The Governor's Business Council Transportation Task Force, 2003.